

Remarks/Arguments

Claims 1, 10, 12, and 19 have been amended.

Claim Objections

Original claim 10 was objected to because of informalities. In particular, claim 10 recites "the processor" when there is insufficient antecedent basis for this limitation. Accordingly, claim 10 has been amended to now read, among other things, "The projection system of claim 9, . . ."

Rejections under 35 U.S.C. § 102

In the Office Action, the Examiner rejected claims 1-20 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Pub. No. 2005/0040424 to Erchak et al. ("*Erchak*"). Applicants respectfully request reconsideration of this rejection for at least the following reasons.

As for amended claim 1, claim 1 now recites:

A projection system comprising:
a solid state light source;
a sensor integrated with the solid state light source to monitor a region of the solid state light source for a thermal condition, and output a signal indicative of the thermal condition of the monitored region; and
a controller coupled to the sensor to conditionally initiate one or more thermal management actions based at least in part on the thermal condition of the region as indicated by the signal.

*Underline added

In the Office Action, the Examiner rejected claim 1 because it was alleged that each and every element of claim 1 is disclosed in *Erchak*. However, Applicants submit that as amended, claim 1 is not anticipated by *Erchak*. In particular, *Erchak* does not disclose the feature "a sensor integrated with the solid state light source to monitor a region of the solid state light source for a thermal condition." Underline added. For at least this reason, claim 1 is patentable over *Erchak*.

Independent claims 12 and 19 have been amended to include features similar to those of claim 1 as recited above. Therefore, for at least the same reasons that claim 1 is patentable over *Erchak*, claims 12 and 19 are also patentable over *Erchak*. Dependent claims 2-11, 13-18, and 20 depend from and add additional features to claims 1, 12, and 19, respectively. Thus, by virtue of their dependency, claims 2-11, 13-18, and 20 are also patentable over *Erchak*.

Applicants further disagree with Examiner's basis for rejecting claims 7 and 8. In particular, Applicants submit that *Erchak* **does not** disclose a controller that indicates "to the drive circuitry to vary an amount of drive voltage or current the drive circuitry applies to the solid state light source, based at least in part on the thermal condition indicated by the signal." See claims 7 and 8. At best, *Erchak* only discloses the possibility of increasing the power input to the LED 1110 (i.e., solid state light source) without increasing the risk of damaging the LED 1110 by using a sensor 1520 and a cooling system 1510 to cool the LED 1110. See page 8, paragraph [0128], lines 10-14. For at least these reasons and the reasons provided previously, claims 7 and 8 are patentable over *Erchak*.

Conclusion

In view of the foregoing, the Applicants respectfully submit that claims 1-20 are in a condition for allowance. Early issuance of Notice of Allowance is respectfully requested.

If the Examiner has any questions, she is invited to contact the undersigned at 503-796-2099.

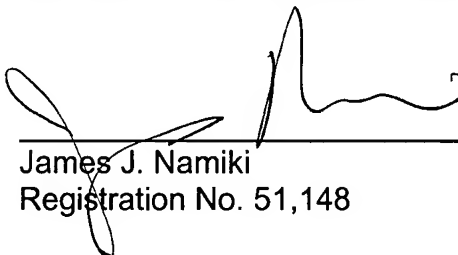
The Commissioner is hereby authorized to charge shortages or credit overpayments to Deposit Account No. 500393.

Respectfully submitted,

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Dated: 8/10/05

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